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Agricultural Memorandum No 753

Agroclimatic Averages - Length of Summer Drought

L P Smith

The formula of Ag Mem 79, namely

6.3(T-R)+10, where T and R are the summer 6 month. P.T. and rainfall in inches, was used to produce a Grass Drought Factor (in days) for the new areas. The results are as follows:

Area	IN	IS	5	7	9	11	12	13	14	15W	15E
Factor	21	21	23	5	19	13	31	31	20	11	29
Area	16	17W	17E	18N	18S	19	20	21	22W	22E	
Factor	41	45	36	23	11	31	31	37	35	41	
Area	23	24	25N	25S	26	27	28	29	30	31N	31S
Factor	51	48	26	12	29	38	50	49	24	41	33
Area	32	33W	33E	34	35	36	37N	37S	38N	38S	
Factor	40	45	53	51	26	31	36	35	36	33	
Area	39W	39E	40	43S	45W	45E	46	IOW	47	Scilly	Ch. Is
Factor	44	50	13	11	24	23	35	42	0	33	57

All other areas have averages less tham 5 days.

The frequency (years in 10) when a 30 day "drought"could be expected is given by T-R+2 where T and R are in inches, provided R-T is less than 1 inch.

Any comments or suggestions on this paper should be referred to the author.

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